CLASSIFICATION:

UNCLASSIFIED

		Вι	JDGET ITEN	JUSTIFICA											
				P-4		•		FEB	RUARY 2	2004					
APPROPRIATION/BL	JDGET ACTIVIT	ΓY			P-1 ITEM NOMENCLATURE										
OTHER PROCUR	REMENT, NA	VY/BA-1	Ships Supp	ort Equipme	Submarine S	Support Equ	ipment BLI: 09	94100 SBHD	: 81PB						
Program Element for	Code B Items:				Other Related Program Elements N/A										
	Prior Years	ID Code	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009		To Complete	Total			
QUANTITY															
COST (In Millions)			\$17.5	\$8.8	\$21.2	\$31.3	\$31.0	\$24.0	\$22.0			\$155.8			
SPARES COST (In Millions)												\$0.0			

PB001

SEAWOLF UPGRADES - The funding identified corrects both mechanical and acoustic deficiencies noted during SEAWOLF Sea Trials subsequent to delivery and Selected Restricted Availabilities (SRA's). These deficiencies, if left uncorrected, would degrade the performance and acoustic signature of the ship. SRA's for SSN 21 and SSN 22 will begin in FY04 and FY05, respectively. The Modernization efforts listed above will be completed during these timeframes. Correction of deficiencies and improvements to these systems will be required to maintain the trend toward modernization. SSN 23 is scheduled to deliver in FY04. Several unique systems have been installed on SSN 23, and the post delivery INSURV will provide a comprehensive testing ground for many of these systems which will require outyear funding in this line. Additionally, Submarine Warfare System (SWS) modernization program authorized in other budgets will require upgrades to host platform interfaces and data handling subsystems. These system upgrades were rated as "Threshold" modernization requirements during the Dec 01 Submarine Modernization Conference. Other host platform subsystems and equipment utilize obsolete components that are no longer supportable. New components will be designed and procured.

PB004

LABORATORY/FACILITIES UPGRADES/REFURBISHMENT

This program is for the procurement of special material required to implement the military's high priority Submarine Silencing Program for operating nuclear submarines. The overall objectives and detail requirements for this program were established and defined in the CNO Specific Operational Requirements (SOR) 46-28 and NAVSEAINST C9073.2B. Only one program is in place to procure hardware systems for the purpose of measuring/monitoring, assessing, and improving the detection capability / reducing the detectability of our submarines.

Consists of replacing or refurbishing broken, old obsolete acquisition and analysis hardware and software prior to equipment failure and subsequently jeopardizing ship's safety (e.g. ranging equipment) or the execution of acoustic trials and completion of trials program objectives outlined in CNO Specific Organizational Requirements 46-28 (assessment of ship's acoustic posture, etc.) and NAVSEAINST C9073.2B (Acoustics Surveys Policy). These planned refurbishments and replacements are especially critical in order to maintain the technological advancements recently made in the area of acoustic data acquisition under the Acoustic Measurement Facilities Program (AMFIP) East and West coasts (USNS HAYES and SEAFAC, respectively). Examples of these items include: hydrophone arrays, towed arrays, ranging and tracking systems, on-board array electronics, noise sources, shore power cables and data fiberoptic cables, data analysis systems, workstations, data storage and retrieval, communications systems, analyzers, tape recorders, accelerometers, monitors, etc. These equipments are utilized on the test vessel, the listening platform, and at the laboratories. The TYCOMs have consistently rated the conduct of noise trials as a high priority funding requirement. [In FY97 and beyond, the East and West Coast requirements were merged into one funding line.]

PB5IN:

FMP (INSTALLATION) - Ship Alterations are being developed to improve the performance and correct known deficiencies in SEAWOLF Class Acoustics, Weapon Launching Systems and Shock Integrity. Funding in FMP Installation will be used for SHIPALT design, advanced planning and shipalt Installation. The alterations under this funding line have been rated as "Threshold" by the TYOCMs during the Dec 01 Submarine Modernization Conference.

P-1 SHOPPING LIST

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	BUDGET ITEM JUSTIFICATION SHEET	DATE:	
	P-40 CONTINUATION	·	FEBRUARY 2004
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE	
OTHER PROCUREMENT, NAVY/B	A-1 Ships Support Equipment	Submarine Support Equipment BLI: 09	4100 SBHD: 81PB
PB007:			
SSN/SSBN HM&E THRESHOLD MODERNIZATIO	N		
practical solution is to convert the EAFW system from this line will procure and install SHIPALTs for the Sidue to the inability of shipboard equipment cooling.	ic Auxiliary Fresh Water (EAFW) cooled Non-Propulsion Electronic System seawater cooling to chill water cooling of the NPES. However, the crist 688 Class to improve Combat Systems cooling capability and allow systems. This upgrade was rated as "Threshold" by the TYCOMs during t for SSN-21 class to replace the current steam operated distilling plant vector (showers, toilets, drinking water, etc).	urrent 150 ton R-114 chill water plants originally designed for 85F seav for the installation of next generation Combat Systems upgrades witho the Dec 01 Submarine Modernization Conference.	vater produce only 90 tons in 95F seawater. Funding in out system degradation and/or increased system failures
	P-1 SHOPPING	LIST	CLASSIFICATION:

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	WEAPONS SYSTEM COS P-5	Weapon Sy	stem		DATE: FEBRUA	RY 2004									
Other P	RIATION/BUDGET ACTIVITY rocurement, Navy nips Support Equipment				ID Code		OMENCLATU								
			TOTAL COS	T IN THOUS	ANDS OF DOI										
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2003			FY 2004		1	FY 2005				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
PB001	SEAWOLF COMPONENT UPGRADES					3,393						1,721			96^
PB004	FACILITIES/LAB UPGRADES														
	Acoustic Range Replacement Equipment					8,742			4,602			3,411			10,797
PB007	SSN/SSBN HM&E THRESHOLD MODERNIZATIO Warm Water Operations	N 				2,266				8	738.62	5,909	9	770.77	6,937
PB51N	FMP (INSTALLATION)					3,050			4,163			10,140			12,588
			0			17,451			8,765			21,181			31,283

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BUDGET PROCUREMENT HIS	TORY AND	PLANNIN		Weapon System	A. DATE							
								FEBRU	ARY 2004			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NON	MENCLATURE			SUBHEAD			
Other Procurement, Navy												
BA-1: Ships Support Equ	ipment					Support Equipment			81PB			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (\$M)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE		
FISCAL YEAR (03)												
<u>PB004</u>												
Acoustic Range Replacement Equipment	1	8.7	NSWC Carderock		CPFF	PSI, VA	4/03	8/03	Yes			
FISCAL YEAR (04)												
<u>PB004</u>												
Acoustic Range Replacement Equipment	1	4.6	NSWC Carderock		CPFF	PSI, VA	4/04	7/04	No			
FISCAL YEAR (05)												
<u>PB004</u>												
Acoustic Range Replacement Equipment	1	3.4	NSWC Carderock		CPFF	PSI, VA	TBD	TBD	No			
<u>PB007</u>												
Warm Water Operations	8	0.738	NAVSEA		CPFF	NNS, Newport News VA	4/05	7/05	Yes			
D. REMARKS												

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P3A UNCLASSIFIED		INDIVIDUA	L MOI	DIFICATI	ION																	
MODELS OF SYSTEM AFFECTED:	WARM WATER OP			TYPE MODIFICATION:				SHIPALT			MODIFICATION TITLE:			TLE:	SUB	MARINE	SUPPO	RT EQU	IPMEN	Т		
DESCRIPTION/JUSTIFICATION:																						
The TYCOMs have identified issues with I above 85F). The most practical solution is				•	,			•				. ,			•		, .			•	•	
only 90 tons in 95F seawater. This alterat compressor.	ion cor	nverts the S	Sn688	R-114 A	ir Cond	litioning	plant to	microp	rocess	or contro	ol, per	forms ba	seline	testing,	and co	ompletes	the desi	gn of a v	/ariable	geometry	diffuser (VGD)	
DEVELOPMENT STATUS/MAJOR DEVEL	.OPME	NT MILEST	ONES	S:						<u> </u>												
		001 & Prior						FY 2004		<u>/ 2005</u>					FY 2		FY 2009	<u>!</u>	TC		<u>TOT</u>	AL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	*
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E																					0	0.0
<u>PROCUREMENT</u>																						
INSTALLATION KITS																					0	0.0
INSTALLATION KITS - UNIT COST																						
INSTALLATION KITS NONRECURRING																						0.0

6.0

8

8.0

EQUIPMENT

DATA

OTHER

OTHER

OTHER

INSTALL COST

TOTAL PROCUREMENT

EQUIPMENT NONRECURRING

TRAINING EQUIPMENT

SUPPORT EQUIPMENT

ENGINEERING CHANGE ORDERS

INTERIM CONTRACTOR SUPPORT

7.0 10 7.6

11.0 10 14.7

8

10.1

8

7.9

6.1

6.1

32.8

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

51.7

43

CLASSIFICATION: UI	NCLA	SSIFIE	D																								
P3A (Continued)				INDIVI	DUAL	MODIF	ICATI	ON (Conti	nued)																		
MODELS OF SYSTEMS AFFECTED: WARM WATER OPERATIONS PB007									MC	DIFICA	ATION	N TIT	LE: SI	JBMA	ARIN	IE SUPPOR	T EQ	UIPMENT									
NSTALLATION INFO																											
METHOD OF IMPLEM ADMINISTRATIVE LE			Subm	arine Sı				BLI: 09410 N LEADTIN		BHD: H	11PB																
CONTRACT DATES:		/ 2002:		N/A		FY 2003		N/A	/IL				FY	2004:		N/A				FY 2005		April-	05				
DELIVERY DATE:		2002:		N/A		FY 2003		N/A		<u> </u>				2004:		N/A				FY 2005		Jul-		_			
													(\$ in Mi	llions')												
Cost:		FY 20	01& Pr	ior	F	Y 2002	F	Y 2003		Y 2004	4		Y 2005			Y 2006	F	Y 2007	F	Y 2008	FY2	2009		To Co	mplete		Total
			Qty	\$	Qty	\$	Qty	\$	Qty	\$	-	Qty	\$	С	Qty	\$	Qty	\$	Qty	\$	QTY		\$	Qty	\$	Qty	\$
PRIOR YEARS																										0	0.0
FY 2000 EQUIPMEN	Г																									0	0.0
FY 2001 EQUIPMEN																										0	0.0
FY 2002 EQUIPMEN																										0	0.0
FY 2003 EQUIPMEN	Т																									0	0.0
FY 2004 EQUIPMEN	Т																									0	0.0
FY 2005 EQUIPMEN	Т											8		8.0												8	8.0
FY 2006 EQUIPMEN	Т														9	11.0										9	11.0
FY 2007 EQUIPMEN	Т																10	14.7								10	14.7
FY 2008 EQUIPMEN	Т																		8	10.1						8	10.1
FY 2009 EQUIPMEN	Г																				8		7.9			8	7.9
TO COMPLETE																											
INSTALLATION SC	HEDI.	JLE:																									
FY 2001		FY 2	002		FY 2	2003		FY 2004	<u>!</u>		FY 20	005			FY 2	2006		FY 2007		FY 200	<u>8</u>		F	Y 2009	<u>)</u>	<u>TC</u>	
& Prior	1	2 3	4	1	2	3 4	1	2 3	4	1	2	3	4	1	2	3 4	1	2 3	4	1 2	3	4	1	2 3	4		TOTAL
In 0		0 0		0				0 0		0	0	0				0 9	0	0 0		0 0	0	8				0	43
Out 0	0	0 0	0	0	0	0 0	0	0 0	0	0	0	0	8	0	0	0 9	0	0 0	10	0 0	0	8	0	0 0	8	0	43
																				P -3Δ							

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